

Serial No: 10/068,480

Docket No. 2001-0506

CLAIMS

1. (Currently Amended) A method for providing wired line telephone and mobile telephone cross-usage comprising:

~~the steps of:~~

activating call forwarding of incoming ~~home~~-wired line telephone calls to a subscriber's mobile telephone upon removal of said mobile telephone from a customer premises equipment (CPE) cradle; and

de-activating call forwarding of incoming ~~home~~-wired line telephone calls to the subscriber's mobile telephone upon placement of said mobile telephone into said CPE cradle.

2. (Currently Amended) The method according to claim 1, wherein activating call forwarding of incoming ~~home~~-wired line telephone calls to said subscriber's mobile telephone further comprises:

~~the steps of:~~

~~removing the mobile telephone from said customer premises equipment (CPE) cradle, wherein said removal triggers the CPE cradle to activate call forwarding;~~

detecting by said CPE cradle an absence of the mobile telephone upon removal of said mobile telephone from said CPE cradle;

seizing by said CPE cradle of a ~~home~~ wired line by going off-hook;

placing a telephone call to a subscriber's Local Exchange Carrier (LEC) end office (EO);

communicating by said CPE cradle key sequences and a call forwarding telephone number that causes the LEC's existing call forwarding feature to be activated; and

hanging up by said CPE cradle after having activated call forwarding to the mobile telephone; and,

whereby forwarding all incoming home wired line telephone calls are thereupon forwarded to the mobile telephone by means of said LEC.

3. (Currently Amended) The method according to claim 1, wherein de-activating call forwarding of incoming ~~home~~ wired line telephone calls to said subscriber's mobile telephone ~~further further~~ comprises: ~~the steps of:~~

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~~placing the mobile telephone into said customer premises equipment (CPE)~~
cradle;

detecting by said CPE cradle that said mobile telephone is in said CPE cradle
when the mobile telephone unit is placed into the CPE cradle;

seizing a ~~home~~ wired line by said CPE cradle by going off-hook;

placing a telephone call by said CPE cradle to the subscriber's Local Exchange
Carrier (LEC) end office (EO);

communicating by said CPE cradle key sequences and a call forwarding
telephone number that causes the LEC's existing call forwarding feature to be de-
activated; and

hanging up by said CPE cradle, having de-activated call forwarding to the mobile
telephone; ~~and,~~

whereby directing all incoming ~~home~~ wired line telephone calls are thereupon
directed to said ~~home~~ wired line.

4. (Currently Amended) The method according to claim 1 ~~A method for providing~~
~~wired line telephone and mobile telephone cross usage further comprising: the steps of:~~

activating call forwarding of incoming mobile telephone calls to a subscriber's
~~home~~-wired line telephone upon placement of said mobile telephone into a customer
premises equipment (CPE) cradle; and

de-activating call forwarding of incoming mobile telephone calls to the
subscriber's ~~home~~-wired line telephone upon removal of said mobile telephone from said
CPE cradle.

5. (Currently Amended) The method according to claim 4, wherein said activating
call forwarding of incoming mobile telephone calls to said subscriber's ~~home~~-wired line
telephone further comprises: ~~the steps of:~~

~~placing said mobile telephone into said customer premise equipment (CPE)~~
cradle;

detecting by said CPE cradle ~~a presence~~ a placing of said mobile telephone in said
CPE cradle when said mobile telephone is placed in said CPE cradle;

seizing by said CPE cradle a ~~home~~-wired line;

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placing by said CPE cradle a telephone call to a pre-specified activation telephone number to a Call Forwarding Activation De-Activation Server (CFADS) to activate call forwarding to the ~~home~~-wired line telephone;
receiving by CFADS said telephone call from said CPE cradle on said pre-specified activation telephone number;
activating call forwarding of incoming calls to said mobile telephone to said ~~home~~ wired line telephone using an Automatic Number Identification (ANI) by CFADS; and
hanging up said ~~home~~-wired line by said CPE cradle, having activated mobile telephone call forwarding to the home; and
~~querying, by a Mobile Switching Center (MSC), a Service Control Point (SCP) to complete mobile telephone calls such that incoming mobile telephone calls will be forwarded to the home-wired line telephone.~~

6. (Currently Amended) The method according to claim 4, wherein de-activating call forwarding of incoming mobile telephone calls to a subscriber's ~~home~~-wired line telephone further comprises: ~~the steps of:~~

~~removing said mobile telephone from said customer premises equipment (CPE) cradle;~~

detecting by said CPE cradle ~~of an absence a~~ removal of said mobile telephone from said CPE cradle;

seizing a ~~home~~-wired line by said CPE cradle;

dialing by said CPE cradle a pre-specified de-activation telephone number to a Call Forwarding Activation De-Activation Server (CFADS) in order to de-activate call forwarding of incoming mobile telephone calls to said subscriber's ~~home~~-wired line telephone;

receiving by CFADS said telephone call on said pre-specified de-activation telephone number;

de-activating said call forwarding of incoming mobile telephone calls for said mobile telephone to said ~~home~~-wired line telephone by using Automatic Number Identification (ANI); and

hanging up said ~~home~~-wired line by said CPE cradle, having de-activated mobile telephone call forwarding to the home; and

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~~querying, by a Mobile Switching Center (MSC), a Service Control Point (SCP) to complete all mobile telephone calls such that incoming mobile telephone calls will be completed to the mobile telephone.~~

7-10. Canceled

11. (Currently Amended) A customer premises equipment (CPE) cradle for providing wired line and mobile telephone cross-usage comprising:

a housing;

said housing having at least one conventional telephone jack receptacles;

said conventional telephone jack receptacle of said housing for receiving a conventional telephone cable with a first conventional telephone jack at a first end, said first conventional telephone cable having a second conventional telephone jack at a second end to be connected at said second end into a conventional telephone wall jack receptacle;

said housing further having a charging device within said housing;

said housing further having at least one connector pin for positively engaging said mobile telephone;

said housing further having a detection switch for sensing one of an insertion and a removal of the mobile telephone from said CPE cradle; and

said housing further having a programmable module within said housing.

~~The CPE cradle according to claim 10,~~ wherein said programmable module is programmed to activate call forwarding to a mobile telephone upon removal of said mobile telephone from said CPE cradle.

12. (Currently Amended) The CPE cradle according to claim ~~10~~11, wherein said programmable module is programmed to de-activate call forwarding to a mobile telephone upon insertion of said mobile telephone into said CPE cradle.

13. (Currently Amended) The CPE cradle according to claim ~~10~~11, wherein said programmable module is programmed to activate call forwarding from said mobile telephone to a home wired line telephone upon insertion of said mobile telephone into said CPE cradle.

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14. (Currently Amended) The CPE cradle according to claim ~~10~~13, wherein said programmable module is programmed to de-activate call forwarding from said mobile telephone to a home wired line telephone upon removal of said mobile telephone from said CPE cradle.

15-16. Canceled.

17. (Currently Amended) The CPE cradle according to claim ~~10~~11, wherein said programmable module is programmable by service personnel at a point of sale.

18. (Currently Amended) The CPE cradle according to claim ~~10~~11, wherein said programmable module is programmable by a subscriber.

19. (Currently Amended) The CPE cradle according to claim ~~10~~11, wherein said programmable module is programmable by service personnel replacing said programmable module when system software is upgraded.

20. (Original) The CPE cradle according to claim 11, wherein said activation is performed automatically.

21. (Original) The CPE cradle according to claim 12, wherein said de-activation is performed automatically.

22. (Original) The CPE cradle according to claim 13, wherein said activation is performed automatically.

23. (Original) The CPE cradle according to claim 14, wherein said de-activation is performed automatically.

24-25. Canceled.

26. (Currently Amended) The CPE cradle according to claim ~~10~~11, wherein said detection switch has two positions and triggers one of call forwarding activation and call forwarding de-activation depending upon a position of said detection switch.

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27. (Currently Amended) The customer premises equipment (CPE) cradle for providing ~~home~~ wired line and mobile telephone cross-usage according to claim ~~40~~11, wherein said housing is made of any material capable of being formed such that at least one surface is flat so that said housing may be placed on a surface adjacent to a ~~home~~ wired line telephone.

28. (Currently Amended) The customer premises equipment (CPE) cradle for providing ~~home~~ wired line and mobile telephone cross-usage according to claim 27, wherein said housing is further formed such that a surface opposed to said flat surface supports said mobile telephone upon insertion of said mobile telephone into said CPE cradle.

29. (Currently Amended) The customer premises equipment (CPE) cradle for providing ~~home~~ wired line and mobile telephone cross-usage according to claim ~~40~~11, further comprising a second conventional jack receptacle of said housing for receiving a second conventional telephone cable with a first conventional telephone jack at a first end, said second conventional telephone cable having a second conventional telephone jack at a second end to be connected into said ~~home~~ wired line telephone having a conventional telephone jack.

30. (Currently Amended) The customer premises equipment (CPE) cradle for providing ~~home~~ wired line and mobile telephone cross-usage according to claim 11~~40~~, wherein said housing further has a charging device within said housing.

31. (Currently Amended) The customer premises equipment (CPE) cradle for providing ~~home~~ wired line and mobile telephone cross-usage according to claim 11~~40~~, wherein said housing further has at least one connector pin for positively engaging said mobile telephone.

32. (Currently Amended) The customer premises equipment (CPE) cradle for providing ~~home~~ wired line and mobile telephone cross-usage according to claim 30, wherein said housing having at least one charging pin, said at least one charging pin being further used to charge said mobile telephone by transferring power from said

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available household current through one of an AC adapter and a power plug and cord and further through said charging device.

33. (Previously Presented) A method, comprising ~~the steps of:~~
activating call forwarding of telephone calls incoming to a subscriber's Public Switched Telephone Network (PSTN) phone to a subscriber's mobile telephone upon removal of the mobile telephone from a customer premises equipment (CPE) cradle; and
de-activating call forwarding of incoming PSTN telephone calls to the subscriber's mobile telephone upon placement of the mobile telephone into the CPE cradle.

34. (Previously Presented) The method of claim 33, wherein the subscriber's PSTN phone is one of a wired line telephone and a portable telephone using a base station.

35. (Previously Presented) The method of claim 34, wherein the base station is located outside of the customer's premises.

36. Canceled.